

OUR DOCKET 010814
IN THE US PATENT OFFICE

EXAMINER -

GROUP -

SN -

FILED - Concurrently herewith

BY - Tanaami

SIRS:

Kindly amend the above application filed herewith as follows:

Claims 1-9, cancel without prejudice

Add claims 10-29, attached hereto as the appendix.

REMARKS

Claims 10-29 are now in the application. Claims 1-9 were cancelled to expedite prosecution. The new claims were drafted to make the claims to be more in line with US practice. Entry and allowance thereof is respectfully solicited.

I hereby certify that the correspondence upon which this notice is placed is being deposited with the US Postal Service as first class mail in an envelope addressed to the Commissioner of Patents Washington, D.C. 20231 on the date set forth below.

MOONRAY KOJIMA, ATTORNEY

DATE:

8/9/01

PRELIMINARY AMENDMENT

Respectfully

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18. The apparatus of claim 10, further comprising means for altering direction of an electric field so that wrongly hybridized segment pairs are separated.

19. The apparatus of claim 18, wherein said container is made of a film.

20. The apparatus of claim 18, wherein said one or more electrodes are provided with protrusions formed at spatial positions corresponding to sites whereat gather a plurality of types of biopolymeric molecules within said container.

21. The apparatus of claim 20, wherein conductive members are formed at spatial positions corresponding to said sites.

22. The apparatus of claim 18, wherein said one or more electrodes are in mechanical contact with said container.

23. The apparatus of claim 18, wherein said one or more electrodes are transparent electrodes.

24. The apparatus of claim 23, wherein said one or more electrodes are made of an ITO film.

25. The apparatus of claim 20, wherein said biopolymeric molecules are RNA, PNA, or electrically charged protein molecules.

26. The apparatus of claim 10, wherein said container is made of a film, said one or more electrodes are provided with protrusions formed at spatial positions corresponding to sites whereat a plurality of types of biopolymeric molecules gather within said container; said one or more electrodes are in mechanical contact with said container and are transparent film.

27. The apparatus of claim 26, wherein said biopolymeric

molecules are RNA, PNA or electrically charged protein molecules.

28. The apparatus of claim 18, wherein said container is made of a film, said one or more electrodes are provided with protrusions formed at spatial positions corresponding to sites whereat a plurality of types of polymeric molecules gather within said container, and wherein conductive members are formed at spatial positions corresponding to said sites; and said one or more electrodes are in mechanical contact with said container and are of transparent film.

29. The apparatus of claim 28, wherein said biopolymeric molecules are RNA, PNA, or electrically charged protein molecules.

APPENDIX "C"